

INTERNATIONAL SEARCH REPORT

Inventor.....Application No
IB 03/04067

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/016242 A1 (M MIYAMOTO) 23 August 2001 (2001-08-23) page 1, column 1, paragraph 4; figure 1 page 3, column 2, paragraph 33 page 5, column 2, paragraph 75 page 7, column 1, paragraph 94 page 8, column 2, paragraph 114 page 9, column 1, paragraph 123 page 10, column 1, paragraph 131 -page 10, column 2; paragraph 132 page 12, column 2, paragraph 151 -----	1-15
Y	EP 1 182 654 A (KODAK) 27 February 2002 (2002-02-27) page 4, line 57 page 5, line 1; figures 1,3,5 page 6, line 13 -page 7, line 19; claim 1; example 1 ----- -/-	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

17 December 2003

Date of mailing of the international search report

29/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Vanhecke, H

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/IB 03/04067

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 731 454 A (SONY) 11 September 1996 (1996-09-11) cited in the application claims 1-31 ----	1-15
Y	US 5 875 052 A (I K SHMAGIN) 23 February 1999 (1999-02-23) column 5, line 9 - line 11; claim 3; figure 1; example 1 ----	1-15
Y	PATENT ABSTRACTS OF JAPAN vol. 010, no. 354, 28 November 1986 (1986-11-28) & JP 61 151841 A (HITACHI), 10 July 1986 (1986-07-10) abstract -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/04067

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2001016242	A1	23-08-2001	JP 2001209974 A TW 484134 B	03-08-2001 21-04-2002
EP 1182654	A	27-02-2002	EP 1182654 A2 JP 2002123973 A	27-02-2002 26-04-2002
EP 731454	A	11-09-1996	JP 8096362 A DE 69520487 D1 DE 69520487 T2 EP 0731454 A1 US 5822287 A CN 1138916 A ,B WO 9610250 A1	12-04-1996 03-05-2001 12-07-2001 11-09-1996 13-10-1998 25-12-1996 04-04-1996
US 5875052	A	23-02-1999	NONE	
JP 61151841	A	10-07-1986	NONE	